

EAST

L Number	Hits	Search Text	DB	Time stamp
11	17	brak\$4 same caliper same (deflector or protector or enclosure or shield or cover) near4 (debris or dust or stone or dirt) same caliper near5 (deflector or protector or enclosure or shield or cover)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 08:36
12	24	brak\$4 same caliper same (deflector or protector or enclosure or shield or cover) near4 (debris or dust or stone or dirt or heat) same caliper near5 (deflector or protector or enclosure or shield or cover)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 08:36
13	7	(brak\$4 same caliper same (deflector or protector or enclosure or shield or cover) near4 (debris or dust or stone or dirt or heat) same caliper near5 (deflector or protector or enclosure or shield or cover)) not (brak\$4 same caliper same (deflector or protector or enclosure or shield or cover) near4 (debris or dust or stone or dirt) same caliper near5 (deflector or protector or enclosure or shield or cover))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 08:38
14	1	1981-L3246D.NRAN.	DERWENT	2004/03/17 08:37
15	1	("4450940").PN.	USPAT; US-PGPUB	2004/03/17 08:38
16	17	(brak\$4 same caliper same (deflector or protector or enclosure or shield or cover) near4 (debris or dust or stone or dirt or heat) same caliper near5 (deflector or protector or enclosure or shield or cover)) not ((brak\$4 same caliper same (deflector or protector or enclosure or shield or cover) near4 (debris or dust or stone or dirt or heat) same caliper near5 (deflector or protector or enclosure or shield or cover)) not (brak\$4 same caliper same (deflector or protector or enclosure or shield or cover) near4 (debris or dust or stone or dirt) same caliper near5 (deflector or protector or enclosure or shield or cover)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 08:50
17	4	("3354992"   "4005768"   "4164273"   "4360083").PN.	USPAT	2004/03/17 08:40
18	4	4540069.URPN.	USPAT	2004/03/17 08:41

19	295	("4360083" "5782267" "5826686" "5845747" "4454932" "6234587" "4858998" "4155601" "4276964" "4456099" "4473139" "4630471" "4810039" "4867280" "5014827" "5238090" "5377790" "5381875" "5474146" "5495920" "5575358" "5626209" "5713435" "5775454" "5833035" "5962037" "6047796" RE37231 "6311809" "6336686" "4401012" "4928579" "5176042" "5958160" "3860094" "4318460" "4354303" "4448287" "4502572" "4503595" "4516666" "4538708" "4796729" "4815573" "4844206" "4865160" "5259483" "5269053" "5282521" "5533599").pn. ("5737985" "5743600" "5860496" "5915747" "6126242" "6182994" "6196364" "6216828" "6219919" "6216828" "6219919" "4798270" "5699882" "4072216" "4280249" "4343381" "4431090" "4460071" "4465164" "4488801" "4552252" "4799575"	USPAT; US-PGPUB	2004/03/17 08:50
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-	3	("4484667" "4744606" "6371569").PN.	USPAT;	2004/03/16 05:33
-	0	brumfiled.in. and caliper same cover	US-PGPUB	
-	1	D476275	USPAT;	2004/03/17 06:03
-	0	D476275.URPN.	US-PGPUB	
-	8	("D291189"   "5538105"   "D378363"   "D397968"   "D417178"   "D458199"   "D468242"   "D468243").PN.	USPAT;	2004/03/17 05:56
-	6	D291189.URPN.	US-PGPUB	
-	1	D397968.URPN.	USPAT	2004/03/17 05:56
-	2	("D291189"   "D377774").PN.	USPAT	2004/03/17 05:56
-	8	("D291189"   "5538105"   "D378363"   "D397968"   "D417178"   "D458199"   "D468242"   "D468243").PN.	USPAT	2004/03/17 05:57
-	2	("D291189"   "D377774").PN.	USPAT	2004/03/17 05:58
-	15	caliper same cover and d\$.ccls.	USPAT	2004/03/17 05:58
-	11	(US-4744606-\$ or US-4484667-\$ or US-6371569-\$ or US-D397968-\$ or US-D291189-\$ or US-D377774-\$ or US-5881835-\$ or US-D310191-\$ or US-D298224-\$ or US-D294923-\$ or US-D281912-\$).did.	USPAT	2004/03/17 05:59
-	558	brak\$4 same caliper same (enclosure or shield or cover)	USPAT;	2004/03/17 05:59
-	25	brak\$4 same caliper same (dust adj cover)	US-PGPUB	2004/03/17 06:03
-	4	4313528.URPN.	USPAT;	
-	1	4295549.URPN.	EPO; JPO;	
-	1	"4005768".PN.	DERWENT;	
-	3	4085824.URPN.	IBM_TDB	
-	2	("3354992"   "3972391").PN.	USPAT;	2004/03/17 06:04
-	7	(US-6578678-\$ or US-6371260-\$ or US-4295549-\$ or US-6626272-\$ or US-4005768-\$ or US-4257498-\$ or US-4085824-\$).did.	US-PGPUB;	
-	48	brak\$4 same caliper same (enclosure or shield or cover) near4 (debris or dust or stone or dirt)	EPO; JPO;	
-	3	6155650.URPN.	DERWENT;	
-	9	("D173802"   "4441762"   "4484667"   "5659989"   "5722734"   "5772286"   "6047796"   "6089671"   "6155650").PN.	IBM_TDB	
-	5	("4164273"   "4207971"   "4473139"   "4484667"   "4807498").PN.	USPAT;	2004/03/17 06:05
-	4	4473139.URPN.	USPAT	2004/03/17 06:06
-	4	("2655236"   "4005768"   "4250979"   "4317508").PN.	USPAT	2004/03/17 06:06
-	8	(US-5722734-\$ or US-4473139-\$ or US-4317508-\$ or US-4005768-\$ or US-5293967-\$ or US-4540069-\$ or US-4155601-\$ or US-RE29509-\$).did.	USPAT	2004/03/17 06:07
-	151	188/264w.ccls.	USPAT	2004/03/17 06:07
-	2	188/264w.ccls. and caliper	USPAT	2004/03/17 06:17
-	0	188/264w.ccls. and caliper	US-PGPUB;	
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-			USPAT;	2004/03/17 06:45
-			US-PGPUB	
-			EPO; JPO;	
-			DERWENT;	
-			IBM_TDB	
-			USPAT	2004/03/17 06:18
-			USPAT	2004/03/17 06:19
-			USPAT	2004/03/17 06:21
-			USPAT	2004/03/17 06:21
-			USPAT	2004/03/17 06:21
-			USPAT	2004/03/17 06:32
-			USPAT;	2004/03/17 06:32
-			US-PGPUB	
-			USPAT;	2004/03/17 06:33
-			US-PGPUB	
-			USOCR	2004/03/17 06:33
-			USOCR	2004/03/17 08:34
-			USPAT	2004/03/17 07:04

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2	47	("5737985" "5743600" "5860496" "5915747" "6126242" "6182994" "6196364" "6216828" "6219919" "6216828" "6219919" "4798270" "5699882" "4072216" "4280249" "4343381" "4431090" "4460071" "4465164" "4489801" "4552252" "4799575" "5320200" "5398393" "5417247" "5499701" "5620064" "6053998" "6056091" "6082509" RE37231 "6397977" "5975250" "4351418" "5265946" "5358078" "5593005" "5992587" "4491340" "6059379" "6059379" "4267903" "4276965" "4537289" "4577731" "4765443" "4773662" "4800993" "4817764" "5257856").pn.	USPAT; US-PGPUB	2004/03/17 11:40
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Search History 3/17/04 11:46:08 AM Page 4 C:\APPS\least\workspaces\10801739.wsp				

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Search History 3/17/04 11:46:08 AM Page 5 C:\APPS\least\workspaces\10001739.wsp				



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Search History 3/17/04 11:46:08 AM Page 6		C:\APPS\least\workspaces\10001739.wsp		

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-	3	("4484667" "4744606" "6371569").PN.	USPAT;	2004/03/16 05:33
-	0	brumfiled.in. and caliper same cover	US-PGPUB	
-	1	D476275	USPAT;	2004/03/17 10:02
-	0	D476275.URPN.	US-PGPUB	
-	8	("D291189"   "5538105"   "D378363"   "D397968"   "D417178"   "D458199"   "D468242"   "D468243").PN.	USPAT;	2004/03/17 05:56
-	6	D291189.URPN.	US-PGPUB	
-	1	D397968.URPN.	USPAT	2004/03/17 05:56
-	2	("D291189"   "D377774").PN.	USPAT	2004/03/17 05:56
-	8	("D291189"   "5538105"   "D378363"   "D397968"   "D417178"   "D458199"   "D468242"   "D468243").PN.	USPAT	2004/03/17 05:57
-	2	("D291189"   "D377774").PN.	USPAT	2004/03/17 05:58
-	15	caliper same cover and d\$.ccls.	USPAT	2004/03/17 05:58
-	11	(US-4744606-\$ or US-4484667-\$ or US-6371569-\$ or US-D397968-\$ or US-D291189-\$ or US-D377774-\$ or US-5881835-\$ or US-D310191-\$ or US-D298224-\$ or US-D294923-\$ or US-D281912-\$).did.	USPAT	2004/03/17 05:59
-	558	brak\$4 same caliper same (enclosure or shield or cover)	USPAT	2004/03/17 05:59
-	25	brak\$4 same caliper same (dust adj cover)	US-PGPUB	2004/03/17 06:03
-	4	4313528.URPN.	USPAT;	
-	1	4295549.URPN.	US-PGPUB;	
-	1	"4005768".PN.	EPO; JPO;	
-	3	4085824.URPN.	DERWENT;	
-	2	("3354992"   "3972391").PN.	IBM_TDB	
-	7	(US-6578678-\$ or US-6371260-\$ or US-4295549-\$ or US-6626272-\$ or US-4005768-\$ or US-4257498-\$ or US-4085824-\$).did.	USPAT;	2004/03/17 06:33
-	48	brak\$4 same caliper same (enclosure or shield or cover) near4 (debris or dust or stone or dirt)	US-PGPUB;	
-	3	6155650.URPN.	EPO; JPO;	
-	9	("D173802"   "4441762"   "4484667"   "5659989"   "5722734"   "5772286"   "6047796"   "6089671"   "6155650").PN.	DERWENT;	
-	5	("4164273"   "4207971"   "4473139"   "4484667"   "4807498").PN.	IBM_TDB	
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-	4	("2655236"   "4005768"   "4250979"   "4317508").PN.	US-PGPUB;	
-	8	(US-5722734-\$ or US-4473139-\$ or US-4317508-\$ or US-4005768-\$ or US-5293967-\$ or US-4540069-\$ or US-4155601-\$ or US-RE29509-\$).did.	EPO; JPO;	
-	151	188/264w.ccls.	DERWENT;	
-	2	188/264w.ccls. and caliper	IBM_TDB	
-	0	188/264w.ccls. and caliper	USPAT;	2004/03/17 06:05
-	16	brak\$4 same caliper same (enclosure or shield or cover) near4 (debris or dust or stone or dirt)	USPAT	2004/03/17 06:06
-	6	3433328.URPN.	USPAT	2004/03/17 06:06
-	17	brak\$4 same caliper same (deflector or protector or enclosure or shield or cover) near4 (debris or dust or stone or dirt) same caliper near5 (deflector or protector or enclosure or shield or cover)	USPAT	2004/03/17 06:07
-			USPAT	2004/03/17 06:07
-			USPAT	2004/03/17 06:17
-			USPAT;	2004/03/17 06:45
-			US-PGPUB;	
-			EPO; JPO;	
-			DERWENT;	
-			IBM_TDB	
-			USPAT	2004/03/17 06:18
-			USPAT	2004/03/17 06:19
-			USPAT	2004/03/17 06:21
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-			USPAT;	2004/03/17 06:33
-			US-PGPUB	
-			USOCR	2004/03/17 06:33
-			USOCR	2004/03/17 08:34
-			USPAT	2004/03/17 07:04
-			USPAT;	2004/03/17 08:36
-			US-PGPUB;	
-			EPO; JPO;	
-			DERWENT	

-	24	brak\$4 same caliper same (deflector or protector or enclosure or shield or cover) near4 (debris or dust or stone or dirt or heat) same caliper near5 (deflector or protector or enclosure or shield or cover)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 08:36
-	7	(brak\$4 same caliper same (deflector or protector or enclosure or shield or cover) near4 (debris or dust or stone or dirt or heat) same caliper near5 (deflector or protector or enclosure or shield or cover)) not (brak\$4 same caliper same (deflector or protector or enclosure or shield or cover) near4 (debris or dust or stone or dirt) same caliper near5 (deflector or protector or enclosure or shield or cover))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 08:38
-	1	1981-L3246D.NRAN.	DERWENT	2004/03/17 08:37
-	1	("4450940").PN.	USPAT; US-PGPUB	2004/03/17 08:38
-	17	(brak\$4 same caliper same (deflector or protector or enclosure or shield or cover) near4 (debris or dust or stone or dirt or heat) same caliper near5 (deflector or protector or enclosure or shield or cover)) not ((brak\$4 same caliper same (deflector or protector or enclosure or shield or cover) near4 (debris or dust or stone or dirt or heat) same caliper near5 (deflector or protector or enclosure or shield or cover)) not (brak\$4 same caliper same (deflector or protector or enclosure or shield or cover) near4 (debris or dust or stone or dirt) same caliper near5 (deflector or protector or enclosure or shield or cover)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 09:41
-	4	("3354992"   "4005768"   "4164273"   "4360083").PN.	USPAT	2004/03/17 08:40
-	4	4540069.URPN.	USPAT	2004/03/17 08:41

-	295	("4360083" "5782267" "5826686" "5845747" "4454932" "6234587" "4858998" "4155601" "4276964" "4456099" "4473139" "4630471" "4810039" "4867280" "5014827" "5238090" "5377790" "5381875" "5474146" "5495920" "5575358" "5626209" "5713435" "5775454" "5833035" "5962037" "6047796" RE37231 "6311809" "6336686" "4401012" "4928579" "5176042" "5958160" "3860094" "4318460" "4354303" "4448287" "4502572" "4503595" "4516666" "4538708" "4796729" "4815573" "4844206" "4865160" "5259483" "5269053" "5282521" "5533599").pn. ("5737985" "5743600" "5860496" "5915747" "6126242" "6182994" "6196364" "6216828" "6219919" "6216828" "6219919" "4798270" "5699882" "4072216" "4280249" "4343381" "4431090" "4460071" "4465164" "4488801" "4552252" "4799575"	USPAT; US-PGPUB	2004/03/17 11:39
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-	1	("4473139").PN.	USPAT; US-PGPUB	2004/03/17 09:03
-	1	("4155601").PN.	USPAT; US-PGPUB	2004/03/17 09:07
-	1	("4744606").PN.	USPAT; US-PGPUB	2004/03/17 09:18
-	133	brak\$4 same caliper same (deflector or protector or enclosure or shield or cover) same (debris or dust or stone or dirt or heat)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 10:43
-	3	dust adj cover and d12/\$.ccls.	USPAT; US-PGPUB	2004/03/17 09:49
-	23	brak\$ same cover and d12/\$.ccls.	USPAT; US-PGPUB	2004/03/17 09:50
-	257	d12/180.ccls.	USPAT; US-PGPUB	2004/03/17 09:54
-	95	HARCO.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 10:03
-	10	HARCO.asn. and brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 10:03
-	34	brak\$4 same caliper same (deflector or protector or enclosure or shield or cover) same (debris or dust or stone or dirt or heat)	USOCR	2004/03/17 10:17
-	2	(US-4257498-\$).did. or (US-20040031652-\$).did.	USPAT; US-PGPUB	2004/03/17 10:38
-	8	(US-3495689-\$ or US-3421607-\$ or US-3403761-\$ or US-3395780-\$ or US-3310135-\$ or US-3298469-\$ or US-3260332-\$ or US-3081843-\$).did.	USOCR	2004/03/17 10:38
-	478	brak\$4 same caliper same cover	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 10:44
-	133	brak\$4 same caliper same (deflector or protector or enclosure or shield or cover) same (debris or dust or stone or dirt or heat)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 10:44
-	413	brak\$4 same caliper same cover!	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 10:45
-	165	brak\$4 same caliper near7 cover!	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 10:45
-	216	brak\$4 with caliper with cover!	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 10:47
-	51	brak\$4 with caliper with (shield or protector or cover!) with (dust or water or heat or debris or decorative)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 10:56
-	28	brak\$4 with caliper with cover! with (dust or water or heat or debris)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 10:56
-	1	brak\$4 with caliper with cover! with wheel near5 openings!	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 10:55
-	0	brak\$4 with caliper with cover! with wheel near5 openings!	USOCR	2004/03/17 10:55
-	1	brak\$4 with caliper with (shield or protector or cover!) with (dust or water or heat or debris or decorative)	USOCR	2004/03/17 10:56
-	0	brak\$4 with caliper with cover! with (dust or water or heat or debris)	USOCR	2004/03/17 10:56

-	151	(188/264w).CCLS.	USPAT; US-PGPUB	2004/03/17 10:57
-	0	("decorativeadj4wheelsameopenings!").PN.	USPAT; US-PGPUB	2004/03/17 10:58
-	0	decorative adj4 wheel same openings! same dust	USPAT; US-PGPUB	2004/03/17 10:59
-	0	decorative adj4 wheel same openings! same dust	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 10:59
-	0	decorative same wheel same openings! same dust	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 10:59
-	1	decorative same wheel same dust adj cover	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/17 10:59

PLUS 3/17/04

Butler, Douglas

From: PLUS  
Sent: Friday, February 27, 2004 2:53 PM  
To: Butler, Douglas  
Subject: PLUS Results for 10601739

Here are the PLUS search results for 10601739.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10601739\_QUAL.txt



10601739\_LIST.txt



10601739\_WEST.txt



10601739\_EAST.txt



10601739.east



10601739\_CLS.txt



10601739\_CLSTITLES.txt



10601739\_WDS.txt

xi



## 10601739\_LIST

PLUS Search Results for S/N 10601739, Searched February 27, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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5782267	5743600	5499563	5620189	3798595	4335806
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10601739\_CLS

Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10601739 on February 27, 2004

Original Classifications

11	188/18A
9	188/72.4
9	188/73.38
8	188/71.6
8	188/73.44
6	188/72.5
6	188/73.45
5	188/24.11
5	188/24.19
5	188/71.9
4	188/218XL
4	188/24.12
4	188/24.16
4	188/24.21
4	188/24.22
4	188/72.7
4	188/73.35
4	280/276
3	82/112
3	180/227
3	188/218A
3	188/24.14
3	188/264G
3	188/59
3	188/72.6
3	188/72.9
3	188/73.31
3	188/73.32
3	188/73.34
3	188/73.36
3	188/73.39
3	188/73.43
3	192/217.1
3	301/6.8
2	29/897.2
2	92/248
2	180/219
2	188/1.11L
2	188/1.11W
2	188/344
2	188/352
2	188/70R
2	188/71.1
2	188/71.5
2	188/72.1
2	188/72.3
2	188/72.8
2	188/73.33
2	188/73.37
2	280/124.154
2	280/234
2	280/304.1
2	280/93.512
2	303/15



2 303/2  
2 451/63  
2 482/57

## Cross-Reference Classifications

29 188/73.45  
17 188/72.4  
14 188/18A  
13 188/72.9  
12 188/73.39  
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9 188/250B  
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8 188/264G  
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7 188/71.5  
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3 188/140R  
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2 280/261  
2 280/288  
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2 280/304.1  
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2 451/63  
2 451/902  
2 475/331  
2 482/57

10601739\_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10601739 on February 27, 2004

- 35 188/73.45 (6 OR, 29 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/73.31 ..Retainer for brake element  
188/73.43 ...Including actuator slidable in plane  
parallel to axis of rotation of wheel  
188/73.44 ....On axially extending pin  
188/73.45 .....Plural pins
- 26 188/72.4 (9 OR, 17 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element  
188/72.4 ...By fluid pressure piston
- 25 188/18A (11 OR, 14 XR)  
Class 188 : BRAKES  
188/2R VEHICLE  
188/17 .Hub or disk  
188/18R ..Motor vehicle  
188/18A ...Disc brakes
- 18 188/73.38 (9 OR, 9 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/73.31 ..Retainer for brake element  
188/73.37 ...Having means to prevent vibration of brake  
element  
188/73.38 ....Spring
- 16 188/72.9 (3 OR, 13 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element  
188/72.9 ...By pivoted lever
- 15 188/73.39 (3 OR, 12 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/73.31 ..Retainer for brake element  
188/73.39 ...Including torque member supporting brake  
element
- 13 188/72.5 (6 OR, 7 XR)  
Class 188 : BRAKES

## 10601739\_CLSTITLES

- 188/67 ROD
  - 188/71.1 .Axially movable brake element or housing therefor
  - 188/72.1 ..With means for actuating brake element
  - 188/72.4 ...By fluid pressure piston
  - 188/72.5 ....Piston for each of plural elements
- 12 188/72.7 (4 OR, 8 XR)
- Class 188 : BRAKES
  - 188/67 ROD
  - 188/71.1 .Axially movable brake element or housing therefor
  - 188/72.1 ..With means for actuating brake element
  - 188/72.7 ...By inclined surface (e.g., wedge, cam or screw)
- 11 188/264G (3 OR, 8 XR)
- Class 188 : BRAKES
  - 188/381 FRICTIONAL VIBRATION DAMPER
  - 188/264R .Cooling and lubricating
  - 188/264G ..Insulators
- 11 188/71.9 (5 OR, 6 XR)
- Class 188 : BRAKES
  - 188/67 ROD
  - 188/71.1 .Axially movable brake element or housing therefor
  - 188/71.7 ..With means to adjust for wear of brake
  - 188/71.8 ...Self-adjusting means
  - 188/71.9 ....Including unidirectionally rotating screw
- 11 188/73.1 (1 OR, 10 XR)
- Class 188 : BRAKES
  - 188/67 ROD
  - 188/71.1 .Axially movable brake element or housing therefor
  - 188/73.1 ..Structure of brake element
- 11 188/73.44 (8 OR, 3 XR)
- Class 188 : BRAKES
  - 188/67 ROD
  - 188/71.1 .Axially movable brake element or housing therefor
  - 188/73.31 ..Retainer for brake element
  - 188/73.43 ...Including actuator slidable in plane parallel to axis of rotation of wheel
  - 188/73.44 ....On axially extending pin
- 10 188/24.12 (4 OR, 6 XR)
- Class 188 : BRAKES
  - 188/2R VEHICLE
  - 188/24.11 .Velocipede (e.g., bicycle, etc.)
  - 188/24.12 ..Including mechanism for opposed gripping of wheel rim or tire
- 10 188/24.22 (4 OR, 6 XR)
- Class 188 : BRAKES
  - 188/2R VEHICLE

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- 188/24.11 .Velocipede (e.g., bicycle, etc.)
- 188/24.12 ..Including mechanism for opposed gripping of  
wheel rim or tire
- 188/24.22 ...Specific actuator element structure
  
- 10 188/250B (1 OR, 9 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/250R .Shoes  
188/250B ..Shoe construction
  
- 10 188/370 (0 OR, 10 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/151R .Fluid pressure  
188/152 ..Road vehicle  
188/361 ...Wheel brake operating assembly  
188/369 ....With axially movable brake member  
188/370 .....Spot type
  
- 10 188/71.6 (8 OR, 2 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/71.6 ..With means for cooling brake
  
- 10 188/71.8 (1 OR, 9 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/71.7 ..With means to adjust for wear of brake  
188/71.8 ...Self-adjusting means
  
- 9 188/218A (3 OR, 6 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/218R .Brake wheels  
188/218A ..Dust guard
  
- 9 188/24.19 (5 OR, 4 XR)  
Class 188 : BRAKES  
188/2R VEHICLE  
188/24.11 .Velocipede (e.g., bicycle, etc.)  
188/24.12 ..Including mechanism for opposed gripping of  
wheel rim or tire  
188/24.19 ...Having means to adjust spacing between brake  
component and wheel rim or tire
  
- 9 188/71.5 (2 OR, 7 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/71.5 ..Plural rotating elements (e.g., "multidisc")
  
- 9 188/72.6 (3 OR, 6 XR)



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- Class 188 : BRAKES  
 188/67 ROD  
 188/71.1 .Axially movable brake element or housing therefor  
 188/72.1 ..With means for actuating brake element  
 188/72.4 ...By fluid pressure piston  
 188/72.6 ....And/or mechanical linkage
- 9 188/73.43 (3 OR, 6 XR)  
 Class 188 : BRAKES  
 188/67 ROD  
 188/71.1 .Axially movable brake element or housing therefor  
 188/73.31 ..Retainer for brake element  
 188/73.43 ...Including actuator slidable in plane parallel to axis of rotation of wheel
- 8 188/218XL (4 OR, 4 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/218R .Brake wheels  
 188/218XL ..Disk type
- 8 188/24.11 (5 OR, 3 XR)  
 Class 188 : BRAKES  
 188/2R VEHICLE  
 188/24.11 .Velocipede (e.g., bicycle, etc.)
- 8 188/24.21 (4 OR, 4 XR)  
 Class 188 : BRAKES  
 188/2R VEHICLE  
 188/24.11 .Velocipede (e.g., bicycle, etc.)  
 188/24.12 ..Including mechanism for opposed gripping of wheel rim or tire  
 188/24.21 ...Having center-pull, cable-type actuator for mechanism
- 8 188/344 (2 OR, 6 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/151R .Fluid pressure  
 188/152 ..Road vehicle  
 188/344 ...Velocipede
- 8 188/71.1 (2 OR, 6 XR)  
 Class 188 : BRAKES  
 188/67 ROD  
 188/71.1 .Axially movable brake element or housing therefor
- 8 188/72.8 (2 OR, 6 XR)  
 Class 188 : BRAKES  
 188/67 ROD  
 188/71.1 .Axially movable brake element or housing therefor  
 188/72.1 ..With means for actuating brake element  
 188/72.7 ...By inclined surface (e.g., wedge, cam or screw)  
 188/72.8 ....Screw or helical cam

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- 8 188/73.31 (3 OR, 5 XR)  
 Class 188 : BRAKES  
 188/67 ROD  
 188/71.1 .Axially movable brake element or housing  
 therefor  
 188/73.31 ..Retainer for brake element
- 8 188/73.32 (3 OR, 5 XR)  
 Class 188 : BRAKES  
 188/67 ROD  
 188/71.1 .Axially movable brake element or housing  
 therefor  
 188/73.31 ..Retainer for brake element  
 188/73.32 ...Having means to facilitate changing brake  
 element
- 7 188/26 (1 OR, 6 XR)  
 Class 188 : BRAKES  
 188/2R VEHICLE  
 188/24.11 .Velocipede (e.g., bicycle, etc.)  
 188/26 ..Hub or disk
- 7 188/73.37 (2 OR, 5 XR)  
 Class 188 : BRAKES  
 188/67 ROD  
 188/71.1 .Axially movable brake element or housing  
 therefor  
 188/73.31 ..Retainer for brake element  
 188/73.37 ...Having means to prevent vibration of brake  
 element
- 6 180/219 (2 OR, 4 XR)  
 Class 180 : MOTOR VEHICLES  
 180/21 SPECIAL WHEEL BASE  
 180/218 .Having only two wheels  
 180/219 ..Arranged in tandem
- 6 188/106F (0 OR, 6 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/105 .Multiple  
 188/106R ..Vehicle  
 188/106F ...Fluid and mechanical
- 6 188/196BA (0 OR, 6 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/196R .Slack  
 188/196B ..Ratchet  
 188/196BA ...Rotatable
- 6 188/250G (0 OR, 6 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/250R .Shoes  
 188/250G ..Surfaces and fasteners
- 6 188/2D (1 OR, 5 XR)

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Class      188 :   BRAKES
188/2R      VEHICLE
188/2D      .Bowdin wire-operated

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Class 188 : BRAKES

188/71.1 .Axially movable brake element or housing therefor

188/72.3 ...And means for retracting brake element

Class 188 : BRAKES

188/71.1 .Axially movable brake element or housing  
therefor

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188/73.32    ...Having means to facilitate changing brake
              element
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188/73.34      ....Pivotable actuator
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Class 280 : LAND VEHICLES

280/80.1 .Running gear

280/771 ..Occupant steered

280/93.512 ....Kingpin, steering knuckle, steering arm, or wheel carrier construction

Class 074 : MACHINE ELEMENT OR MECHANISM

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74/479.01      .Multiple controlling elements for single
                controlled element

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74/486      ...Reciprocating control elements
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74/489      .....Flexible control element
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Class 074 : MACHINE ELEMENT OR MECHANISM

74/491 .Hand operated

74/501.6 ...And hand operator

74/502.2 ....Single rotatable lever (e.g., for bicycle  
brake or derailleur)

Class 082 : TURNING

82/112 PORTABLE LATHE FOR BRAKE DRUM, DISC, OR SHOE

Class 188 : BRAKES

188/196R .Slack

- 188/196M      ..Manual
- 5 188/205A      (0 OR, 5 XR)  
     Class 188 : BRAKES  
     188/381      FRICTIONAL VIBRATION DAMPER  
     188/205R      .Supports  
     188/205A      ..Antirattler
- 5 188/59      (3 OR, 2 XR)  
     Class 188 : BRAKES  
     188/2R      VEHICLE  
     188/33      .Railway  
     188/58      ..Disk on axle  
     188/59      ...Side shoes
- 5 188/73.35      (4 OR, 1 XR)  
     Class 188 : BRAKES  
     188/67      ROD  
     188/71.1      .Axially movable brake element or housing  
                          therefor  
     188/73.31      ..Retainer for brake element  
     188/73.35      ...Having actuator and means to prevent  
                          vibration thereof
- 5 188/73.36      (3 OR, 2 XR)  
     Class 188 : BRAKES  
     188/67      ROD  
     188/71.1      .Axially movable brake element or housing  
                          therefor  
     188/73.31      ..Retainer for brake element  
     188/73.35      ...Having actuator and means to prevent  
                          vibration thereof  
     188/73.36      ....Including means to prevent vibration of  
                          brake element
- 5 188/73.47      (1 OR, 4 XR)  
     Class 188 : BRAKES  
     188/67      ROD  
     188/71.1      .Axially movable brake element or housing  
                          therefor  
     188/73.31      ..Retainer for brake element  
     188/73.47      ...Having closed loop type housing
- 5 301/6.8      (3 OR, 2 XR)  
     Class 301 : LAND VEHICLES: WHEELS AND AXLES  
     301/5.1      WHEEL  
     301/6.1      .With drive or brake attachment  
     301/6.8      ..Disc brake
- 4 92/248      (2 OR, 2 XR)  
     Class 092 : EXPANSIBLE CHAMBER DEVICES  
     92/172      PISTON  
     92/248      .Nonmetallic portion
- 4 180/227      (3 OR, 1 XR)  
     Class 180 : MOTOR VEHICLES  
     180/21      SPECIAL WHEEL BASE  
     180/218      .Having only two wheels  
     180/219      ..Arranged in tandem

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- 180/227           ...Including resilient means for mounting  
                  driven wheel
- 4 188/1.11E       (0 OR, 4 XR)  
    Class 188 : BRAKES  
    188/1.11R     WITH CONDITION INDICATOR  
    188/1.11E     .Electrical
- 4 188/106P        (1 OR, 3 XR)  
    Class 188 : BRAKES  
    188/381        FRICTIONAL VIBRATION DAMPER  
    188/105        ..Multiple  
    188/106R       ..Vehicle  
    188/106P       ...Plural systems
- 4 188/24.16       (4 OR, 0 XR)  
    Class 188 : BRAKES  
    188/2R         VEHICLE  
    188/24.11     .Velocipede (e.g., bicycle, etc.)  
    188/24.12     ..Including mechanism for opposed gripping of  
                  wheel rim or tire  
    188/24.14     ...Having means to increase braking force  
                  (e.g., self-energizing brake, etc.)  
    188/24.16     ....Plural brakes having common actuator
- 4 188/24.17       (1 OR, 3 XR)  
    Class 188 : BRAKES  
    188/2R         VEHICLE  
    188/24.11     .Velocipede (e.g., bicycle, etc.)  
    188/24.12     ..Including mechanism for opposed gripping of  
                  wheel rim or tire  
    188/24.17     ...Actuation controlled by back-pedalling
- 4 188/250E        (1 OR, 3 XR)  
    Class 188 : BRAKES  
    188/381        FRICTIONAL VIBRATION DAMPER  
    188/250R       ..Shoes  
    188/250E       ..Slotted shoes and vibration dampers
- 4 188/264AA       (0 OR, 4 XR)  
    Class 188 : BRAKES  
    188/381        FRICTIONAL VIBRATION DAMPER  
    188/264R       ..Cooling and lubricating  
    188/264A       ..Air-cooled, axially engaging  
    188/264AA      ...Auto wheel type
- 4 192/217.1       (3 OR, 1 XR)  
    Class 192 : CLUTCHES AND POWER-STOP CONTROL  
    192/215        TRANSMISSION AND BRAKE  
    192/217        .Velocipede  
    192/217.1     ..Back-pedaling brake (e.g., coaster brake)
- 4 280/276         (4 OR, 0 XR)  
    Class 280 : LAND VEHICLES  
    280/29         WHEELED  
    280/200        .Occupant propelled type  
    280/263        ..With steering  
    280/270        ...One-wheel controlled  
    280/274        ....Frames and running gear

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- 280/275 .....Yielding  
280/276 .....Front forks and heads
- 4 280/284 (1 OR, 3 XR)  
Class 280 : LAND VEHICLES  
280/29 WHEELED  
280/200 .Occupant propelled type  
280/281.1 ..Frames and running gear  
280/283 ...Yielding  
280/284 ....Rear forks
- 3 29/266 (0 OR, 3 XR)  
Class 029 : METAL WORKING  
29/700 MEANS TO ASSEMBLE OR DISASSEMBLE  
29/244 .Puller or pusher means, contained force  
multiplying operator  
29/256 ..Having screw operator  
29/258 ...Central screw, work-engagers around screw  
29/266 ....Plate or bar forms work-engager
- 3 188/1.11W (2 OR, 1 XR)  
Class 188 : BRAKES  
188/1.11R WITH CONDITION INDICATOR  
188/1.11W .Wear
- 3 188/140R (0 OR, 3 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/110 .Automatic  
188/135 ..Momentum  
188/140R ...Vehicle
- 3 188/162 (0 OR, 3 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/158 .Electric  
188/161 ..Electromagnet  
188/162 ...Rotary motor
- 3 188/24.14 (3 OR, 0 XR)  
Class 188 : BRAKES  
188/2R VEHICLE  
188/24.11 .Velocipede (e.g., bicycle, etc.)  
188/24.12 ..Including mechanism for opposed gripping of  
wheel rim or tire  
188/24.14 ...Having means to increase braking force  
(e.g., self-energizing brake, etc.)
- 3 188/264F (1 OR, 2 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/264R .Cooling and lubricating  
188/264F ..Operating fluid cooling
- 3 188/2F (1 OR, 2 XR)  
Class 188 : BRAKES  
188/2R VEHICLE  
188/2F .Wheelchair brakes

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- 3 188/345 (1 OR, 2 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/151R .Fluid pressure  
 188/152 ..Road vehicle  
 188/345 ...With multiple master cylinders
- 3 188/352 (2 OR, 1 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/151R .Fluid pressure  
 188/152 ..Road vehicle  
 188/352 ...With bleeding or filling device
- 3 188/5 (0 OR, 3 XR)  
 Class 188 : BRAKES  
 188/2R VEHICLE  
 188/5 .Ground-engaging
- 3 188/72.1 (2 OR, 1 XR)  
 Class 188 : BRAKES  
 188/67 ROD  
 188/71.1 .Axially movable brake element or housing  
 therefor  
 188/72.1 ..With means for actuating brake element
- 3 188/72.2 (0 OR, 3 XR)  
 Class 188 : BRAKES  
 188/67 ROD  
 188/71.1 .Axially movable brake element or housing  
 therefor  
 188/72.1 ..With means for actuating brake element  
 188/72.2 ...Self-force-increasing means
- 3 188/73.33 (2 OR, 1 XR)  
 Class 188 : BRAKES  
 188/67 ROD  
 188/71.1 .Axially movable brake element or housing  
 therefor  
 188/73.31 ..Retainer for brake element  
 188/73.32 ...Having means to facilitate changing brake  
 element  
 188/73.33 ....By manipulation of brake actuator
- 3 192/70.19 (0 OR, 3 XR)  
 Class 192 : CLUTCHES AND POWER-STOP CONTROL  
 192/30R CLUTCHES  
 192/66.1 .Axially engaging  
 192/70.11 ..Interposed, mating clutch-elements  
 192/70.16 ...With torque connection between  
 clutch-element and its shaft  
 192/70.19 ....Axially slidable connection
- 3 280/124.154 (2 OR, 1 XR)  
 Class 280 : LAND VEHICLES  
 280/29 WHEELED  
 280/80.1 .Running gear  
 280/124.1 ..Suspension arrangement  
 280/124.125 ...Wheel separately supported upon individual

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stub axle (e.g., skein, spindle)

280/124.154 ....Vertically extending telescopic strut

3 280/277 (1 OR, 2 XR)  
Class 280 : LAND VEHICLES  
280/29 WHEELED  
280/200 .Occupant propelled type  
280/263 ..With steering  
280/270 ...One-wheel controlled  
280/274 ....Frames and running gear  
280/275 .....Yielding  
280/276 .....Front forks and heads  
280/277 .....Independent wheel mounting

3 280/281.1 (0 OR, 3 XR)  
Class 280 : LAND VEHICLES  
280/29 WHEELED  
280/200 .Occupant propelled type  
280/281.1 ..Frames and running gear

3 303/115.2 (1 OR, 2 XR)  
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
303/121 SPEED-CONTROLLED  
303/113.1 .Having a valve system responsive to a wheel  
lock signal  
303/115.1 ..System controlled by expansible chamber type  
modulator  
303/115.2 ...Having electric control

3 303/191 (1 OR, 2 XR)  
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
303/121 SPEED-CONTROLLED  
303/191 .Odd condition or device detection (e.g., fluid  
or brake temperature, hill holder, anti-squeal controller  
acoustic emission)

3 303/20 (1 OR, 2 XR)  
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
303/20 ELECTRIC CONTROL

3 303/DIG 3 (0 OR, 3 XR)  
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
303/DIG 2 BRAKE CONTROL BY PRESSURE COMPARISON  
303/DIG 3 .Electrical pressure sensor

3 403/408.1 (0 OR, 3 XR)  
Class 403 : JOINTS AND CONNECTIONS  
403/408.1 HAVING A JOINING PIECE EXTENDING THROUGH  
ALIGNED OPENINGS IN PLURAL MEMBERS

2 29/239 (1 OR, 1 XR)  
Class 029 : METAL WORKING  
29/700 MEANS TO ASSEMBLE OR DISASSEMBLE  
29/239 .Spreading parts apart or separating them from  
face to face engagement

2 29/897 (0 OR, 2 XR)  
Class 029 : METAL WORKING



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	29/592	METHOD OF MECHANICAL MANUFACTURE
	29/897	.Structural member making
2	29/897.2	(2 OR, 0 XR)
	Class 029	: METAL WORKING
	29/592	METHOD OF MECHANICAL MANUFACTURE
	29/897	.Structural member making
	29/897.2	..Vehicular structural member making
2	29/897.3	(0 OR, 2 XR)
	Class 029	: METAL WORKING
	29/592	METHOD OF MECHANICAL MANUFACTURE
	29/897	.Structural member making
	29/897.3	..Static structure, e.g., a building component
2	74/18.2	(0 OR, 2 XR)
	Class 074	: MACHINE ELEMENT OR MECHANISM
	74/18	FLEXIBLE SEALING DIAPHRAGM ATTACHED TO MOVING ROD AND TO CASING
	74/18.2	.Longitudinally reciprocating rod
2	74/594.2	(0 OR, 2 XR)
	Class 074	: MACHINE ELEMENT OR MECHANISM
	74/469	CONTROL LEVER AND LINKAGE SYSTEMS
	74/594.1	.Crank and pedals
	74/594.2	..With attached gear
2	92/168	(0 OR, 2 XR)
	Class 092	: EXPANSIBLE CHAMBER DEVICES
	92/165R	WITH GUIDE OR SEAL ON CYLINDER END PORTION FOR PISTON OR MEMBER MOVED BY PISTON
	92/168	.Non-metallic seal means between piston or member and end portion
2	92/212	(1 OR, 1 XR)
	Class 092	: EXPANSIBLE CHAMBER DEVICES
	92/172	PISTON
	92/208	.Open-ended hollow skirt type (e.g., trunk type)
	92/212	..With nonmetallic portion
2	180/190	(1 OR, 1 XR)
	Class 180	: MOTOR VEHICLES
	180/182	INCLUDING ONE OR MORE SKI-LIKE OR RUNNER MEMBERS
	180/186	.With at least one surface-engaging propulsion element
	180/190	..Endless track type element
2	180/231	(0 OR, 2 XR)
	Class 180	: MOTOR VEHICLES
	180/21	SPECIAL WHEEL BASE
	180/218	.Having only two wheels
	180/219	..Arranged in tandem
	180/231	...Including endless element for transmitting drive and means for adjusting tension of element
2	180/65.6	(0 OR, 2 XR)

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Class 180 : MOTOR VEHICLES  
 180/54.1 POWER  
 180/65.1 .Electric  
 180/65.6 ..With gearing between electric motor and drive wheel

2 188/1.11L (2 OR, 0 XR)  
 Class 188 : BRAKES  
 188/1.11R WITH CONDITION INDICATOR  
 188/1.11W .Wear  
 188/1.11L ..Electrical

2 188/181A (0 OR, 2 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/174 .Weight  
 188/180 ..Regulators  
 188/181R ...Vehicle  
 188/181A ....Acceleration responsive

2 188/196D (0 OR, 2 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/196R .Slack  
 188/196D ..Frictional rotation

2 188/196P (0 OR, 2 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/196R .Slack  
 188/196P ..Friction

2 188/218R (0 OR, 2 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/218R .Brake wheels

2 188/264A (0 OR, 2 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/264R .Cooling and lubricating  
 188/264A ..Air-cooled, axially engaging

2 188/264P (0 OR, 2 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/264R .Cooling and lubricating  
 188/264P ..With pump

2 188/272 (0 OR, 2 XR)  
 Class 188 : BRAKES  
 188/266 INTERNAL-RESISTANCE MOTION RETARDER  
 188/272 .Combined with mechanism retarded by brake

2 188/29 (0 OR, 2 XR)  
 Class 188 : BRAKES  
 188/2R VEHICLE  
 188/29 .Top shoes

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- 2 188/33 (1 OR, 1 XR)  
     Class 188 : BRAKES  
     188/2R      VEHICLE  
     188/33      .Railway
- 2 188/70R (2 OR, 0 XR)  
     Class 188 : BRAKES  
     188/67      ROD  
     188/70R      .Axially and transversely movable
- 2 188/73.46 (1 OR, 1 XR)  
     Class 188 : BRAKES  
     188/67      ROD  
     188/71.1     .Axially movable brake element or housing  
                   therefor  
     188/73.31    ..Retainer for brake element  
     188/73.46    ...Including actuator fixed on torque member
- 2 188/DIG 1 (0 OR, 2 XR)  
     Class 188 : BRAKES  
     188/DIG 1    PANIC BRAKING
- 2 192/111A (0 OR, 2 XR)  
     Class 192 : CLUTCHES AND POWER-STOP CONTROL  
     192/30R      CLUTCHES  
     192/111R     .Wear compensators  
     192/111A     ..Automatic wear compensators
- 2 192/113.3 (0 OR, 2 XR)  
     Class 192 : CLUTCHES AND POWER-STOP CONTROL  
     192/30R      CLUTCHES  
     192/113.1     .Lubricating, insulating, or cooling  
     192/113.3     ..Liquid cooled or lubricated clutch surfaces
- 2 192/35 (0 OR, 2 XR)  
     Class 192 : CLUTCHES AND POWER-STOP CONTROL  
     192/30R      CLUTCHES  
     192/31        .Automatic  
     192/32        ..Manual control  
     192/35        ...Pilot mechanism
- 2 192/70.24 (0 OR, 2 XR)  
     Class 192 : CLUTCHES AND POWER-STOP CONTROL  
     192/30R      CLUTCHES  
     192/66.1     .Axially engaging  
     192/70.11     ..Interposed, mating clutch-elements  
     192/70.23     ...With cam or wedge contacting clutch-element  
                   or pressure plate for axial movement thereof  
     192/70.24     ....By cam surface on bell-crank
- 2 192/94 (0 OR, 2 XR)  
     Class 192 : CLUTCHES AND POWER-STOP CONTROL  
     192/30R      CLUTCHES  
     192/82R        .Operators  
     192/94        ..Screw
- 2 280/11.231 (0 OR, 2 XR)  
     Class 280 : LAND VEHICLES

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280/841 SKATES  
 280/11.19 .Wheeled skate  
 280/11.221 ..In-line wheels (e.g., in-line skates)  
 280/11.231 ...Three or four wheels

2 280/124.125 (0 OR, 2 XR)  
 Class 280 : LAND VEHICLES  
 280/29 WHEELED  
 280/80.1 .Running gear  
 280/124.1 ..Suspension arrangement  
 280/124.125 ...Wheel separately supported upon individual  
 stub axle (e.g., skein, spindle)

2 280/124.145 (1 OR, 1 XR)  
 Class 280 : LAND VEHICLES  
 280/29 WHEELED  
 280/80.1 .Running gear  
 280/124.1 ..Suspension arrangement  
 280/124.125 ...Wheel separately supported upon individual  
 stub axle (e.g., skein, spindle)  
 280/124.134 ....Lateral control arm (i.e., suspension arm)  
 280/124.145 .....Including vertically extending strut

2 280/234 (2 OR, 0 XR)  
 Class 280 : LAND VEHICLES  
 280/29 WHEELED  
 280/200 .Occupant propelled type  
 280/210 ..With propulsion means  
 280/230 ...Plural power application  
 280/233 ....Hand and foot  
 280/234 .....Interconnected steering means

2 280/236 (1 OR, 1 XR)  
 Class 280 : LAND VEHICLES  
 280/29 WHEELED  
 280/200 .Occupant propelled type  
 280/210 ..With propulsion means  
 280/236 ...Reversing and power ratio change

2 280/261 (1 OR, 1 XR)  
 Class 280 : LAND VEHICLES  
 280/29 WHEELED  
 280/200 .Occupant propelled type  
 280/210 ..With propulsion means  
 280/259 ...Rotary crank power  
 280/260 ....With gearing  
 280/261 .....Belt or chain

2 280/288 (0 OR, 2 XR)  
 Class 280 : LAND VEHICLES  
 280/29 WHEELED  
 280/200 .Occupant propelled type  
 280/281.1 ..Frames and running gear  
 280/288 ...Rear forks

2 280/288.4 (1 OR, 1 XR)  
 Class 280 : LAND VEHICLES  
 280/29 WHEELED

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280/200 .Occupant propelled type  
 280/288.4 ..Attachments and accessories

2 280/304.1 (2 OR, 0 XR)  
 Class 280 : LAND VEHICLES  
 280/29 WHEELED  
 280/200 .Occupant propelled type  
 280/288.4 ..Attachments and accessories  
 280/304.1 ...Wheelchair

2 280/5.513 (0 OR, 2 XR)  
 Class 280 : LAND VEHICLES  
 280/5.5 SUSPENSION MODIFICATION ENACTED DURING TRAVEL  
 (I.E., ACTIVE SUSPENSION CONTROL)  
 280/5.513 .Longitudinal vehicle disposition (e.g.,  
 antidive, antipitch, antisquat)

2 280/87.041 (0 OR, 2 XR)  
 Class 280 : LAND VEHICLES  
 280/29 WHEELED  
 280/87.01 .Coasters  
 280/87.021 ..Occupant-pushed  
 280/87.041 ...Standing occupant

2 301/124.1 (0 OR, 2 XR)  
 Class 301 : LAND VEHICLES: WHEELS AND AXLES  
 301/124.1 AXLE

2 301/6.9 (0 OR, 2 XR)  
 Class 301 : LAND VEHICLES: WHEELS AND AXLES  
 301/5.1 WHEEL  
 301/6.1 .With drive or brake attachment  
 301/6.9 ..For cycle-type vehicle

2 301/6.91 (0 OR, 2 XR)  
 Class 301 : LAND VEHICLES: WHEELS AND AXLES  
 301/5.1 WHEEL  
 301/6.1 .With drive or brake attachment  
 301/6.91 ..Having vibration damper or heat insulator

2 301/67 (0 OR, 2 XR)  
 Class 301 : LAND VEHICLES: WHEELS AND AXLES  
 301/5.1 WHEEL  
 301/62 .Compression wheel  
 301/67 ..Rim (or felly) and spoke connection

2 303/119.2 (0 OR, 2 XR)  
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
 303/121 SPEED-CONTROLLED  
 303/113.1 .Having a valve system responsive to a wheel  
 lock signal  
 303/119.1 ..System controlled by solenoid valve  
 303/119.2 ...System solenoid valve detail

2 303/122.09 (0 OR, 2 XR)  
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
 303/121 SPEED-CONTROLLED  
 303/122 .With failure responsive means  
 303/122.09 ..Pressure failure

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- 2 303/122.13 (1 OR, 1 XR)  
     Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
     303/121 SPEED-CONTROLLED  
     303/122 .With failure responsive means  
     303/122.09 ..Pressure failure  
     303/122.13 ...Auxiliary pressure failure
- 2 303/137 (1 OR, 1 XR)  
     Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
     303/121 SPEED-CONTROLLED  
     303/137 .Motorcycle
- 2 303/15 (2 OR, 0 XR)  
     Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
     303/13 MULTIPLE CONTROL  
     303/15 .Fluid and electric
- 2 303/163 (1 OR, 1 XR)  
     Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
     303/121 SPEED-CONTROLLED  
     303/163 .Slip ratio
- 2 303/2 (2 OR, 0 XR)  
     Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
     303/2 MULTIPLE SYSTEMS
- 2 303/3 (0 OR, 2 XR)  
     Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
     303/2 MULTIPLE SYSTEMS  
     303/3 .Fluid pressure and electric
- 2 303/68 (0 OR, 2 XR)  
     Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
     303/50 MOTORMAN'S VALVES  
     303/68 .Motor
- 2 303/7 (1 OR, 1 XR)  
     Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
     303/5 MULTIPLE FLUID-RECEIVING DEVICES  
     303/6.01 .Multiple motors  
     303/7 ..Sectional train
- 2 303/9.61 (0 OR, 2 XR)  
     Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
     303/5 MULTIPLE FLUID-RECEIVING DEVICES  
     303/6.01 .Multiple motors  
     303/9.61 ..Separate and simultaneous control
- 2 303/DIG 10 (0 OR, 2 XR)  
     Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
     303/DIG 10 VALVE BLOCK INTEGRATING PUMP, VALVES, SOLENOID,  
                   ACCUMULATOR, ETC.
- 2 403/4 (0 OR, 2 XR)  
     Class 403 : JOINTS AND CONNECTIONS  
     403/3 SELECTIVELY ASSEMBLED, E.G., CONVERTIBLE, ETC.  
     403/4 .Selective orientation

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2	451/63	(2 OR, 0 XR)
	Class 451 :	ABRADING
	451/28	ABRADING PROCESS
	451/63	.Side face of disk
2	451/902	(0 OR, 2 XR)
	Class 451 :	ABRADING
	451/902	BRAKE ABRADING
2	475/331	(1 OR, 1 XR)
	Class 475 :	PLANETARY GEAR TRANSMISSION SYSTEMS OR
		COMPONENTS
	475/331	PLANETARY GEARING OR ELEMENT
2	482/57	(2 OR, 0 XR)
	Class 482 :	EXERCISE DEVICES
	482/51	INVOLVING USER TRANSLATION OR PHYSICAL
		SIMULATION THEREOF
	482/57	.Bicycling